

# ABSTRACT OF THE DISCLOSURE

There are provided polynucleotides which are modulated by hypoxic conditions. The disclosure includes such genes and proteins as well as analogs, salts and functional derivatives of such proteins, and DNA encoding such analogs, and methods of use. Methods for treating the effects of stroke, hypoxia and/or ischemia by regulating such genes or proteins are also disclosed. The presence of hypoxia or a hypoxia-associated pathology may be diagnosed by screening for the presence of at least one polynucleotide having the nucleic acid sequence according to the present invention. Methods of regulating hypoxia associated pathologies are also provided.

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